

CLAIMS

What I claim is:

- 1 1. A portable black light device, comprising:
 - 2 a) a portable housing;
 - 3 b) a plurality of openings on said housing;
 - 4 c) a plurality of UV LEDs, one UV LEDs in each opening facing outwardly from
 - 5 said opening; and
 - 6 d) a power source within the housing for energizing each of said UV LEDs.
- 1 2. The device of claim 1 wherein said portable housing having an upper portion and
- 2 a lower portion and said plurality of openings are on said lower portion.
- 1 3. The device of claim 1 wherein said portable housing having an upper portion and
- 2 a lower portion and said plurality of openings are on said upper portion.
- 1 4. The device of claim 1 for incorporating into a head gear having a visor or a brim
- 2 with a predetermined shape, wherein said housing has substantially the same predetermined
- 3 shape.
- 1 5. The device of claim 1 for incorporating into a head gear having a visor or a brim
- 2 with a predetermined color, wherein said housing has substantially the same predetermined
- 3 color.

1 6. The device of claim 1 for incorporating into a head gear having a visor or a brim,
2 further comprising means for attaching said upper portion of said housing to said visor or said
3 brim.

1 7. The device of claim 6 wherein said attaching means comprises adhesives.

1 8. The device of claim 6 wherein said attaching means comprises sewing.

1 9. The device of claim 1 further comprising a power control for selectively
2 energizing said plurality of UV LEDs.

1 10. The device of claim 1 for incorporating into a head gear having a visor or a brim
2 with a first side adjacent said head gear and a second side opposite said head gear and
3 comprising four openings, two of said openings are equidistant from said first side of said visor
4 or said brim and the other two of said openings are equidistant from said second side of said
5 visor or said brim.

1 11. The device of claim 10 comprising four UV LEDs, wherein each of said two of
2 said UV LEDs at said two openings equidistant from said first side of said visor or said brim has
3 a 180 degree spread and each of the other two of said UV LEDs has at the other two openings
4 equidistant from said second side of said visor or said brim a 120 degree spread.

1 12. The device of claim 10 comprising four UV LEDs, wherein each of said two of
2 said UV LEDs at said two openings equidistant from said first side of said visor or said brim has
3 a 180 degree spread and each of the other two of said UV LEDs has at the other two openings
4 equidistant from said second side of said visor or said brim a 90 degree spread.

1 13. The device of claim 1 further comprising at least one protruding lip adjacent each
2 of said plurality of openings.

1 14. The device of claim 10 further comprising at least one protruding lip adjacent
2 each of said four openings, wherein one protruding lip is adjacent each of said four openings on
3 said second side of said visor or said brim and one protruding lip is adjacent each of said two
4 openings equidistant from said second side of said visor or said brim on said first side of said
5 visor or said brim.

1 15. The device of claim 1 wherein said power source comprises a compartment for
2 storing a plurality of batteries.

1 16. The device of claim 15 wherein said housing further comprises a slot for
2 removably engaging said power source.

1 17. The device of claim 9 wherein said power control comprises a switch.

1 18. The device of claim 1 further comprising a plurality of ball pivot for mounting
2 each of said plurality of UV LEDs at each of said plurality of openings such that each of said
3 plurality of UV LEDs is pivotable to different angles.

1 19. The device of claim 1 for adapting to a head gear having a visor or a brim, further
2 comprising means for removably attaching said device to said visor or said brim of said head
3 gear.

1 20. The device of claim 19 wherein said removably attaching means comprises a
2 spring actuated clamping member at the upper portion of said housing.

1 21. The device of claim 19 wherein said removably attaching means comprises hooks
2 and loops.

1 22. The device of claim 2 further comprises an arched channel on said lower portion
2 of said housing and each of said plurality of openings is within said arched channel.

1 23. The device of claim 3 further comprises an arched channel on said upper portion
2 of said housing and each of said plurality of openings is within said arched channel.

1 24. The combination of a portable black light device and at least one fluorescent paint
2 for making a marking on a surface, comprising:

3 a) at least one fluorescent paint for making a marking on a surface;

- b) a portable housing;
- c) a plurality of openings on said housing facing said marking;
- d) a plurality of UV LEDs, one UV LEDs in each opening facing outwardly from said opening for lighting said marking; and
- e) a power source within the housing for energizing each of said UV LEDs.

25. The combination of a portable black light device and at least one phosphorescent paint for making a marking on a surface, comprising:

- a) at least one phosphorescent paint for making a marking on a surface;
- b) a portable housing;
- c) a plurality of openings on said housing facing said marking;
- d) a plurality of UV LEDs, one UV LEDs in each opening facing outwardly from said opening for lighting said marking; and
- e) a power source within the housing for energizing each of said UV LEDs.

26. The combination of a portable black light device for adapting to a head gear having a visor or a brim for a wearer and at least one fluorescent paint for making a marking on the wearer's face, comprising:

- a) at least one fluorescent paint for making a marking on a said wearer's face;
- b) a portable housing;
- c) means for attaching said housing to said visor or said brim;
- d) a plurality of openings on said housing facing said marking;

- e) a plurality of UV LEDs, one UV LEDs in each opening facing outwardly from said opening for lighting said marking; and
- f) a power source within the housing for energizing each of said UV LEDs.

27. The combination of a portable black light device and a head gear, comprising:

- a) a head gear having a visor or a brim,
- b) a portable housing;
- c) means for attaching said housing to said visor or said brim;
- d) a plurality of openings on said housing;
- e) a first set of a plurality of UV LEDs, one UV LED of said first set of a plurality of UV LEDs in each opening facing outwardly from said opening; and
- f) a power source within the housing for energizing each of said UV LEDs.

28. The combination of claim 27 wherein said head gear further having a main body connected to said visor or brim and a marking on said main body of said head gear, wherein said marking is made by a fluorescent paint and said plurality of UV LEDs are directed towards said marking for lighting said marking.

29. The combination of claim 27 wherein said head gear further having a main body connected to said visor or brim and a marking on said main body of said head gear, wherein said marking is made by a phosphorescent paint and said plurality of UV LEDs are directed towards said marking for lighting said marking.

1 30. The combination of claim 27 further comprising at least one decorative element
2 made of fluorescent material attached to said head gear, wherein said plurality of UV LEDs are
3 directed towards said at least one decorative element for lighting said at least one decorative
4 element.

1 31. The combination of claim 27 further comprising at least one decorative element
2 made of phosphorescent material attached to said head gear, wherein said plurality of UV LEDs
3 are directed towards said at least one decorative element for lighting said at least one decorative
4 element.

1 32. The combination of claim 30 further comprising a plurality of openings on said
2 head gear and a second set of a plurality of UV LEDs, one UV LED of said second set of a
3 plurality of UV LEDs in each of said opening on said head gear facing outwardly from said
4 opening on said head gear towards said decorative element.

1 33. The combination of claim 31 further comprising a plurality of openings on said
2 head gear and a second set of a plurality of UV LEDs, one UV LED of said second set of a
3 plurality of UV LEDs in each of said opening on said head gear facing outwardly from said
4 opening on said head gear towards said decorative element.